

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-162673

(43)Date of publication of application : 21.06.1996

(51)Int.Cl.

H01L 33/00  
H01L 23/28

(21)Application number : 06-297655

(71)Applicant : ROHM CO LTD

(22)Date of filing : 30.11.1994

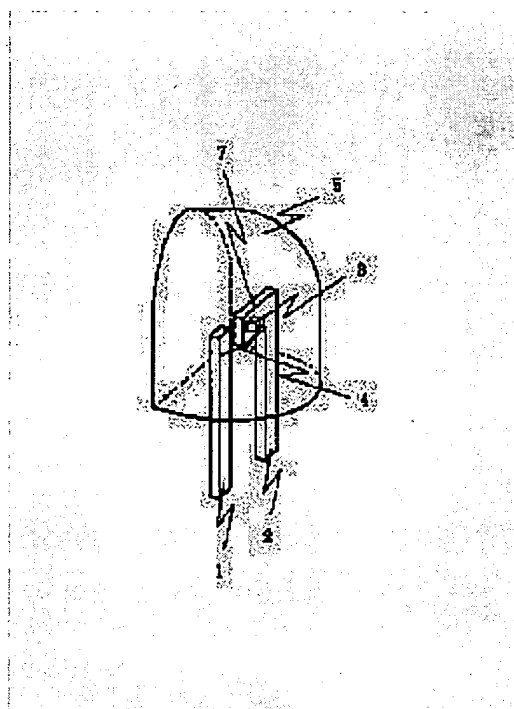
(72)Inventor : MURATA SHOICHIRO

## (54) LIGHT EMITTING DIODE LAMP

### (57)Abstract:

**PURPOSE:** To emit a light horizontally to a printed board without forming by providing an element placing part along the longitudinal direction of a lead terminal at the end of the terminal, fixing the LED element thereto, and forming the shape of a resin sealing part covering the element in a semi-dome shape.

**CONSTITUTION:** An LED lamp comprises a set of metal lead terminals 1, 2, and an element placing part 7 formed along the longitudinal direction of a lead terminal at the end of the lead 2, wherein an LED element 3 is fixed. The element 3 is electrically connected to the terminal 2 via a metal wire 4. The end of the terminal 2 including the element 3 is covered with a semi-dome-shaped resin sealing part 5. Thus, the light of a parallel direction to a printed board is obtained by merely inserting to the board without forming, and efficiently emitted by the lens effect of the sealing part.



## LEGAL STATUS

[Date of request for examination] 21.06.1995

[Date of sending the examiner's decision of rejection] 09.09.1997

[Kind of final disposal of application other than

the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office